

Mechanisms of Development 81 (1999) 227-228



Author index

Volume 81 (1999)

Agulnick, A., see Bertuzzi, S., 193

Agulnik,, S.I., see Hancock, S.N., 205

Alvarado-Mallart, R.-M., see Hidalgo-Sánchez, M., 175

Arendt, D., Nübler-Jung, K., Rearranging gastrulation in the name of yolk: evolution of gastrulation in yolk-rich amniote eggs, 3

Bellusci, S., see de Maximy, A.A., 213

Benson, S., Page, L., Ingersoll, E., Rosenthal, E., Dungca, K., Signor, D., Developmental characterization of the gene for laminin α -chain in sea urchin embryos, 37

Berdal, A., see Davideau, J.L., 183

Bertuzzi, S., Porter, F.D., Pitts, A., Kumar, M., Agulnick, A., Wassif, C., Westphal, H., Characterization of Lhx9, a novel LIM/homeobox gene expressed by the pioneer neurons in the mouse cerebral cortex, 193

Bökel, C., see Peri, F., 75

Broekhof, J.L.M., see Lemmen, J.G., 163

Carlson, J., see Powe, A.C., Jr., 89

Carrière, C., see Kioussi, C., 23

Chen, J., see Jiang, H., 169

Chien, C.-T., see Tien, A.-C., 209

Chung, U.-i., see Verheijen, M.H.G., 151

Ciruna, B.G., Rossant, J., Expression of the T-box gene Eomesodermin during early mouse development, 199

Consalez, G.G., see Panigada, M., 103

Conway, S.J., Novel expression of the goosecoid transcription factor in the embryonic mouse heart, 187

Cutforth, T., see Powe, A.C., Jr., 89

Davideau, J.L., Demri, P., Gu, T.T., Simmons, D., Nessman, C., Forest, N., MacDougall, M., Berdal, A., Expression of DLX5 during human embryonic craniofacial development, 183

de Laat, S.W., see Verheijen, M.H.G., 151

de Maximy, A.A., Nakatake, Y., Moncada, S., Itoh, N., Thiery, J.P., Bellusci, S., Cloning and expression pattern of a mouse homologue of Drosophila sprouty in the mouse embryo, 213

Defize, L.H.K., see Verheijen, M.H.G., 151

Demri, P., see Davideau, J.L., 183

Doneda, L., see Panigada, M., 103

D'Souza-Correia, T., see Powe, A.C., Jr., 89

Dungca, K., see Benson, S., 37

Forest, N., see Davideau, J.L., 183

Friedle, H., see Rastecar, S., 139

Frommer, G., see Rastecar, S., 139

Gaines, P., see Powe, A.C., Jr., 89

Gaul, U., see Powe, A.C., Jr., 89

Gerster, T., see Vogel, A.M., 217 Grassi, F., see Panigada, M., 103

Großhans, J., Schnorrer, F., Nüsslein-Volhard, C., Oligomerisation of Tube and Pelle leads to nuclear localisation of Dorsal, 127

Gu, T.T., see Davideau, J.L., 183

Gustafsson, J.-Å., see Lemmen, J.G., 163

Guttinger, M., see Panigada, M., 103

Hancock, S.N., Agulnik,, S.I., Silver, L.M., Papaioannou, V.E., Mapping and expression analysis of the mouse ortholog of Xenopus Eomesodermin, 205

Hecht, A. see Vleminckx, K., 65

Hendriks, J.A.A., see Verheijen, M.H.G., 151

Heystek, H., see Verheijen, M.H.G., 151

Hidalgo-Sánchez, M., Millet, S., Simeone, A., Alvarado-Mallart, R-M., Comparative analysis of Otx2, Gbx2, Pax2, Fgf8 and Wnt1 gene expressions during the formation of the chick midbrain/hindbrain domain, 175

Hsei, H.-Y., see Tien, A.-C., 209

Ingersoll, E., see Benson, S., 37

Inoue, K., see Maegawa, S., 223

Itoh, N., see de Maximy, A.A., 213

Jiang, H., Sodek, J., Karsenty, G., Thomas, H., Ranly, D., Chen, J., Expression of core binding factor Osf2/Cbfa-1 and bone sialoprotein in tooth development, 169

Jung, H.-S., Oropeza, V., Thesleff, I., Shh, Bmp-2, Bmp-4 and Fgf-8 are associated with initiation and patterning of mouse tongue papillae,

Karperien, M., see Verheijen, M.H.G., 151

Karsenty, G., see Jiang, H., 169

Kemler, R., see Vleminckx, K., 65

Kioussi, C., Carrière, C., Rosenfeld, M.G., A model for the development of the hypothalamic-pituitary axis: transcribing the hypophysis, 23

Knöchel, W., see Rastecar, S., 139

Kronenberg, H.M., see Verheijen, M.H.G., 151

Kuipe, G.G.J.M., see Lemmen, J.G., 163

Kumar, M., see Bertuzzi, S., 193 Kuroiwa, A., see Mizuno, T., 51

Lanske, B., see Verheijen, M.H.G., 151

Lemmen, J.G., Broekhof, J.L.M., Kuipe, G.G.J.M., Gustafsson, J-Å., van der Saag, P.T., van der Burg, B., Expression of estrogen receptor alpha and beta during mouse embryogenesis, 163

Li, E., see Verheijen, M.H.G., 151

Logan, C., see Stratford, T., 115

Löwik, C.W.G.M., see Verheijen, M.H.G., 151

MacDougall, M., see Davideau, J.L., 183

Maden, M. see Stratford, T., 115

Maegawa, S., Yasuda, K., Inoue, K., Maternal mRNA localization of zebrafish DAZ-like gene, 223

Millet, S., see Hidalgo-Sánchez, M., 175

Mizuno, T., Yamaha, E., Kuroiwa, A., Takeda, H., Removal of vegetal yolk causes dorsal deficencies and impairs dorsal-inducing ability of the yolk cell in zebrafish, 51

Moncada, S., see de Maximy, A.A., 213

- Nübler-Jung, K., see Arendt. D., 3 Nüsslein-Volhard, C., see Großhans, J., 127 Nakatake, Y., see de Maximy, A.A., 213
- Nessman, C., see Davideau, J.L., 183
- Oropeza, V., see Jung, H.-S., 179
- Page, L., see Benson, S., 37
 Panigada, M., Porcellini, S., Sutti, F., Doneda, L., Pozzoli, O., Consalez,
 G.G., Guttinger, M., Grassi, F., KLF in thymus epithelium as a developmentally regulated element of thymocyte-stroma cross-talk,
- Papaioannou, V.E., see Hancock, S.N., 205
- Peri, F., Bökel, C., Roth, S., Local Gurken signaling and dynamic MAPK activation during *Drosophila* oogenesis, 75
- Pitts, A., see Bertuzzi, S., 193
- Porcellini, S., see Panigada, M., 103
- Porter, F.D., see Bertuzzi, S., 193
- Powe, A.C., Jr., Strathdee, D., Cutforth, T., D'Souza-Correia, T., Gaines, P., Thackeray, J., Carlson, J., Gaul, U., In vivo functional analysis of *Drosophila* Gap1: involvement of Ca²⁺ and IP₄ regulation, 89 Pozzoli, O., see Panigada, M., 103
- Ranly, D., see Jiang, H., 169
- Rastegar, S., Friedle, H., Frommer, G., Knöchel, W., Transcriptional regulation of Xvent homeobox genes, 139
- Rosenfeld, M.G., see Kioussi, C., 23
- Rosenthal, E., see Benson, S., 37
- Rossant, J., see Ciruna, B.G., 199
- Roth, S., see Peri, F., 75
- Schnorrer, F., see Großhans, J., 127
- Signor, D., see Benson, S., 37
- Silver, L.M., see Hancock, S.N., 205 Simeone, A., see Hidalgo-Sánchez, M., 175
- Simmons, D., see Davideau, J.L., 183
- Sodek, J., see Jiang, H., 169
- Stratford, T., Logan, C., Zile, M., Maden, M., Abnormal anteroposterior

- and dorsoventral patterning of the limb bud in the absence of reti-
- Strathdee, D., see Powe, A.C., Jr., 89 Sutti, F., see Panigada, M., 103
- Takeda, H., see Mizuno, T., 51
- Thackeray, J., see Powe, A.C., Jr., 89
- Thesleff, I., see Jung, H.-S., 179
- Thiery, J.P., see de Maximy, A.A., 213
- Thomas, H., see Jiang, H., 169
- Tien, A.-C., Hsei, H.-Y., Chien, C.-T., Dynamic expression and cellular localization of the *Drosophila* 14-3-3e during embryonic development, 209
- van der Burg, B. see Lemmen, J.G., 163
- van der Saag, P.T., see Lemmen, J.G., 163
- van Wijuen, M., see Verheijen, M.H.G., 151
- Veltmaat, J.M., see Verheijen, M.H.G., 151
- Verheijen, M.H.G., Karperien, M., Chung, U.-i., van Wijuen, M., Heystek, H., Hendriks, J.A.A., Veltmaat, J.M., Lanske, B., Li, E., Löwik, C.W.G.M., de Laat, S.W., Kronenberg, H.M., Defize, L.H.K., Parathyroid hormone-related peptide (PTHrP) induces parietal endoderm formation exclusively via the Type I PTH/PTHrP receptor, 151
- Vleminckx, K., Kemler, R., Hecht, A., The C-terminal transactivation domain of β-catenin is necessary and sufficient for signaling by the LEF-1/β-catenin complex in *Xenopus laevis*, 65
- Vogel, A.M., Gerster, T., A zebrafish homolog of the serum response factor gene is highly expressed in differentiating embryonic myocytes, 217
- Wassif, C., see Bertuzzi, S., 193
- Westphal, H., see Bertuzzi, S., 193
- Yamaha, E., see Mizuno, T., 51
- Yasuda, K., see Maegawa, S., 223
- Zile, M., see Stratford, T., 115



Mechanisms of Development 81 (1999) 229-239



Subject index

Volume 81 (1999)

14-3-3; Drosophila; Receptor tyrosine kinase; MAPK; Egfr; dp-ERK 81 209

Adenomatous polyposis coli; Armadillo; β -Catenin; Basal transcription machinery; Body axis formation; Cadherin; Cell-adhesion; Colon cancer; Dishevelled; Dorsal blastomeres; Dorso-ventral patterning; Embryonic development; Frizzled; Gastrulation; Gene activation; Glycogen synthase kinase 3β ; Herpes simplex virus; HMG box; LEF-1; Nieuw-koop center; Nuclear factor; Nucleus; Plakoglobin; RNA injection; RNA polymerase II; Siamois; Signal transduction; Spemann organizer; TCF; Transcription factor; Transcriptional activation; VP16; Wingless; Wntsignaling; *Xenopus laevis*; Xwnt-8 **81** 45

Ameloblasts; Tooth development; Osf2; Cbfa-1; Bone sialoprotein; In situ hybridization; Mineralized tissues; Mineralization; Periodontal ligament; Odontoblasts; Osteoblasts; Cementoblasts; mRNA Expression 81 169

argos; broad-complex; Chorion; cornichon; Dorsoventral patterning; Dorsal appendages; Epidermal growth factor receptor; gurken; K10; rhomboid; spitz; sprouty; Transforming growth factor-α; torpedo 81 75

Armadillo; Adenomatous polyposis coli; β-Catenin; Basal transcription machinery; Body axis formation; Cadherin; Cell-adhesion; Colon cancer; Dishevelled; Dorsal blastomeres; Dorso-ventral patterning; Embryonic development; Frizzled; Gastrulation; Gene activation; Glycogen synthase kinase 3β; Herpes simplex virus; HMG box; LEF-1; Nieuw-koop center; Nuclear factor; Nucleus; Plakoglobin; RNA injection; RNA polymerase II; Siamois; Signal transduction; Spemann organizer; TCF; Transcription factor; Transcriptional activation; VP16; Wingless; Wntsignaling; Xenopus laevis; Xwnt-8 81 45

Axis formation; *Drosophila*; Development; Pattern formation; Gradient; Nuclear transport; Signal transduction; Nuclear localisation; Signalling cascade; Axis specification; Dorsoventral; Oligomerisation; Dimerisation; Membrane association; Membrane localisation; Kinase; Protein complex; Phosphorylation; Two-hybrid; Fusion protein; Hybrid protein; Pelle; Tube; Dorsal; Cactus; Toll; Snake; Torso; Pellino; NF-kB; IRAK; Rel 81 127

Axis specification; Drosophila; Development; Pattern formation; Gradient; Nuclear transport; Signal transduction; Nuclear localisation; Signalling cascade; Axis formation; Dorsoventral; Oligomerisation; Dimerisation; Membrane association; Membrane localisation; Kinase; Protein complex; Phosphorylation; Two-hybrid; Fusion protein; Hybrid protein; Pelle; Tube; Dorsal; Cactus; Toll; Snake; Torso; Pellino; NF-kB; IRAK; Rel 8I 127

Basal transcription machinery; Adenomatous polyposis coli; Armadillo; β -Catenin; Body axis formation; Cadherin; Cell-adhesion; Colon cancer; Dishevelled; Dorsal blastomeres; Dorso-ventral patterning;

Embryonic development; Frizzled; Gastrulation; Gene activation; Glycogen synthase kinase 3β ; Herpes simplex virus; HMG box; LEF-1; Nieuwkoop center; Nuclear factor; Nucleus; Plakoglobin; RNA injection; RNA polymerase II; Siamois; Signal transduction; Spemann organizer; TCF; Transcription factor; Transcriptional activation; VP16; Wingless; Wnt-signaling; *Xenopus laevis*; Xwnt-8 **81** 65

Bmp-2; Pattern formation; Spacing pattern; Lateral inhibition; Tongue development; Gustatory papillae; Fungiform papillae; Shh; Bmp-4; Fgf-8 81 179

Bmp-4; Pattern formation; Spacing pattern; Lateral inhibition; Tongue development; Gustatory papillae; Fungiform papillae; Shh; Bmp-2; Fgf-8 81 179

Body axis formation; Adenomatous polyposis coli; Armadillo; β-Catenin; Basal transcription machinery; Cadherin; Cell-adhesion; Colon cancer; Dishevelled; Dorsal blastomeres; Dorso-ventral patterning; Embryonic development; Frizzled; Gastrulation; Gene activation; Glycogen synthase kinase 3β; Herpes simplex virus; HMG box; LEF-1; Nieuwkoop center; Nuclear factor; Nucleus; Plakoglobin; RNA injection; RNA polymerase II; Siamois; Signal transduction; Spemann organizer; TCF; Transcription factor; Transcriptional activation; VP16; Wingless; Wnt-signaling; *Xenopus laevis*; Xwnt-8 81 65

Bone morphogenetic protein; Limb development; Quail; Retinoids; Retinoic acid; Engrailed; Fibroblast growth factor; Sonic hedgehog; Homeobox gene; wnt; lmx **81** 115

Bone sialoprotein; Tooth development; Osf2; Cbfa-1; In situ hybridization; Mineralized tissues; Mineralization; Periodontal ligament; Ameloblasts; Odontoblasts; Osteoblasts; Cementoblasts; mRNA Expression 81 169

Brain; Mouse; Embryogenesis; Organogenesis; T-box genes; eomesodermin; Tbr1; Extraembryonic ectoderm; Chorion; Telencephalon; Cerebral cortex; Primitive streak; Mesoderm; Limbs **81** 205

Branching morphogenesis; Sprouty; Fibroblast growth factor; Lung development; Mouse embryo 81 213

broad-complex; argos; Chorion; cornichon; Dorsoventral patterning; Dorsal appendages; Epidermal growth factor receptor; gurken; K10; rhomboid; spitz; sprouty; Transforming growth factor-α; torpedo 81 75

C2 domain; Gap1; GTPase-activating protein; PH domain; phospholipase Cg 81 89

Cactus; Drosophila; Development; Pattern formation; Gradient; Nuclear transport; Signal transduction; Nuclear localisation; Signalling cascade;

Axis formation; Axis specification; Dorsoventral; Oligomerisation; Dimerisation; Membrane association; Membrane localisation; Kinase; Protein complex; Phosphorylation; Two-hybrid; Fusion protein; Hybrid protein; Pelle; Tube; Dorsal; Toll; Snake; Torso; Pellino; NF-kB; IRAK; Rel 81 127

Cadherin; Adenomatous polyposis coli; Armadillo; β-Catenin; Basal transcription machinery; Body axis formation; Cell-adhesion; Colon cancer; Dishevelled; Dorsal blastomeres; Dorso-ventral patterning; Embryonic development; Frizzled; Gastrulation; Gene activation; Glycogen synthase kinase 3β; Herpes simplex virus; HMG box; LEF-1; Nieuwkoop center; Nuclear factor; Nucleus; Plakoglobin; RNA injection; RNA polymerase II; Siamois; Signal transduction; Spemann organizer; TCF; Transcription factor; Transcriptional activation; VP16; Wingless; Wntsignaling; *Xenopus laevis*; Xwnt-8 **81** 65

Cajal; Lhx9; LIM; Homeobox; Eye; Limb; Cortex; Pioneer neurons; Retzius; Preplate 81 193

Cartilage primordia; Estrogen receptor alpha; Estrogen receptor beta; Steroid hormone receptor; Mouse embryogenesis; Reproductive tract; Mammary gland; Müllerian duct; Wolffian duct; Gonad; Heart; Midgut; Larynx; Kidney 81 163

β-Catenin; Adenomatous polyposis coli; Armadillo; Basal transcription machinery; Body axis formation; Cadherin; Cell-adhesion; Colon cancer; Dishevelled; Dorsal blastomeres; Dorso-ventral patterning; Embryonic development; Frizzled; Gastrulation; Gene activation; Glycogen synthase kinase 3β; Herpes simplex virus; HMG box; LEF-1; Nieuwkoop center; Nuclear factor; Nucleus; Plakoglobin; RNA injection; RNA polymerase II; Siamois; Signal transduction; Spemann organizer; TCF; Transcription factor; Transcriptional activation; VP16; Wingless; Wntsignaling; Xenopus laevis; Xwnt-8 81 65

Cbfa-1; Tooth development; Osf2; Bone sialoprotein; In situ hybridization; Mineralized tissues; Mineralization; Periodontal ligament; Ameloblasts; Odontoblasts; Osteoblasts; Cementoblasts; mRNA Expression 81

Cell-adhesion: Adenomatous polyposis coli; Armadillo; β-Catenin; Basal transcription machinery; Body axis formation; Cadherin; Colon cancer; Dishevelled; Dorsal blastomeres; Dorso-ventral patterning; Embryonic development; Frizzled; Gastrulation; Gene activation; Glycogen synthase kinase 3β; Herpes simplex virus; HMG box; LEF-1; Nieuwkoop center; Nuclear factor; Nucleus; Plakoglobin; RNA injection; RNA polymerase II; Siamois; Signal transduction; Spemann organizer; TCF; Transcription factor; Transcriptional activation; VP16; Wingless; Wnt-signaling; Xenopus laevis; Xwnt-8 81 65

Cementoblasts; Tooth development; Osf2; Cbfa-1; Bone sialoprotein; In situ hybridization; Mineralized tissues; Mineralization; Periodontal ligament; Ameloblasts; Odontoblasts; Osteoblasts; mRNA Expression 81

Cerebellum; Development; Mesencephalon; mes/met constriction; Otx2 expression; Neural tube segmentation 81 175

Cerebral cortex; Mouse; Embryogenesis; Organogenesis; T-box genes; eomesodermin; Tbr1; Extraembryonic ectoderm; Chorion; Telencephalon; Brain; Primitive streak; Mesoderm; Limbs 81 205

Chick; Gastrulation; Comparative embryology; Hypoblast; Primitive streak; Endodermal wedge; Evolution 81 3

Chorion; argos; broad-complex; cornichon; Dorsoventral patterning; Dorsal appendages; Epidermal growth factor receptor; gurken; K10; rhomboid; spitz; sprouty; Transforming growth factor-α; torpedo 81 75

Chorion; Mouse; Embryogenesis; Gastrulation; Eomesodermin; T-box; Primitive streak; Mesoderm; Extra-embryonic ectoderm; Forebrain; Telencephalon; In-situ hybridization; Fgfr2; Tbr-1 81 199

Chorion; Mouse; Embryogenesis; Organogenesis; T-box genes; eomesodermin; Tbr1; Extraembryonic ectoderm; Telencephalon; Cerebral cortex; Brain; Primitive streak; Mesoderm; Limbs **81** 205

Colon cancer; Adenomatous polyposis coli; Armadillo; β-Catenin; Basal transcription machinery; Body axis formation; Cadherin; Celladhesion; Dishevelled; Dorsal blastomeres; Dorso-ventral patterning; Embryonic development; Frizzled; Gastrulation; Gene activation; Glycogen synthase kinase 3β: Herpes simplex virus; HMG box; LEF-1; Nieuwkoop center; Nuclear factor; Nucleus; Plakoglobin; RNA injection; RNA polymerase II; Siamois; Signal transduction; Spemann organizer; TCF; Transcription factor; Transcriptional activation; VP16; Wingless; Wnt-signaling; *Xenopus laevis*; Xwnt-8 81 65

Comparative embryology; Gastrulation; Hypoblast; Primitive streak; Endodermal wedge; Evolution; Chick 81 3

cornichon; argos; broad-complex; Chorion; Dorsoventral patterning; Dorsal appendages; Epidermal growth factor receptor; gurken; K10; rhomboid; spitz; sprouty; Transforming growth factor-α; torpedo 81 75

Cortex; Lhx9; LlM; Homeobox; Eye; Limb; Pioneer neurons; Cajal; Retzius; Preplate 81 193

Cytoplasmic stream; Zebrafish; *DAZ*; RNA-binding protein; RNA-recognition motif; Maternal effect gene; mRNA localization; Vegetal pole; Germ cell formation **81** 223

DAZ; Zebrafish; RNA-binding protein; RNA-recognition motif; Maternal effect gene; mRNA localization; Vegetal pole; Cytoplasmic stream; Germ cell formation 81 223

Determinant; Dorsoventral pattern; *eve1*; *goosecoid*; *myoD*; Mesoderm induction; Yolk cell; Zebrafish **81** 51

Development; Drosophila; Pattern formation; Gradient; Nuclear transport; Signal transduction; Nuclear localisation; Signalling cascade; Axis formation; Axis specification; Dorsoventral; Oligomerisation; Dimerisation; Membrane association; Membrane localisation; Kinase; Protein complex; Phosphorylation; Two-hybrid; Fusion protein; Hybrid protein; Pelle; Tube; Dorsal; Cactus; Toll; Snake; Torso; Pellino; NF-kB; IRAK; Rel 81 127

Development; Cerebellum; Mesencephalon; mes/met constriction; *Otx2* expression; Neural tube segmentation **81** 175

Dimerisation; *Drosophila*; Development; Pattern formation; Gradient; Nuclear transport; Signal transduction; Nuclear localisation; Signalling cascade; Axis formation; Axis specification; Dorsoventral; Oligomerisation; Membrane association; Membrane localisation; Kinase; Protein complex; Phosphorylation; Two-hybrid; Fusion protein; Hybrid protein; Pelle; Tube; Dorsal; Cactus; Toll; Snake; Torso; Pellino; NF-kB; IRAK; Rel **81** 127

Dishevelled; Adenomatous polyposis coli; Armadillo; β-Catenin; Basal

Subject index 231

transcription machinery; Body axis formation; Cadherin; Cell-adhesion; Colon cancer; Dorsal blastomeres; Dorso-ventral patterning; Embryonic development; Frizzled; Gastrulation; Gene activation; Glycogen synthase kinase 3β ; Herpes simplex virus; HMG box; LEF-1; Nieuw-koop center; Nuclear factor; Nucleus; Plakoglobin; RNA injection; RNA polymerase II; Siamois; Signal transduction; Spemann organizer; TCF; Transcription factor; Transcriptional activation; VP16; Wingless; Wntsignaling; *Xenopus laevis*; Xwnt-8 **81** 65

Distal-less gene 5; Distal-less gene homeogenes; Human development; Tooth morphogenesis **81** 183

Distal-less gene homeogenes; Human development; Tooth morphogenesis; Distal-less gene 5 **81** 183

Dorsal appendages; *argos*; *broad-complex*; Chorion; *cornichon*; Dorsoventral patterning; Epidermal growth factor receptor; *gurken*; *K10*; *rhomboid*; *spitz*; *sprouty*; Transforming growth factor-α; *torpedo* **81** 75

Dorsal blastomeres; Adenomatous polyposis coli; Armadillo; β-Catenin; Basal transcription machinery; Body axis formation; Cadherin; Celladhesion; Colon cancer; Dishevelled; Dorso-ventral patterning; Embryonic development; Frizzled; Gastrulation; Gene activation; Glycogen synthase kinase 3β; Herpes simplex virus; HMG box; LEF-1; Nieuw-koop center; Nuclear factor; Nucleus; Plakoglobin; RNA injection; RNA polymerase II; Siamois; Signal transduction; Spemann organizer; TCF; Transcription factor; Transcriptional activation; VP16; Wingless; Wntsignaling; Xenopus laevis; Xwnt-8 81 65

Dorsal; *Drosophila*; Development; Pattern formation; Gradient; Nuclear transport; Signal transduction; Nuclear localisation; Signalling cascade; Axis formation; Axis specification; Dorsoventral; Oligomerisation; Dimerisation; Membrane association; Membrane localisation; Kinase; Protein complex; Phosphorylation; Two-hybrid; Fusion protein; Hybrid protein; Pelle; Tube; Cactus; Toll; Snake; Torso; Pellino; NF-kB; IRAK; Rel **81** 127

Dorsoventral pattern; Determinant; *evel*; *goosecoid*; *myoD*; Mesoderm induction; Yolk cell; Zebrafish **81** 51

Dorsoventral patterning; argos; broad-complex; Chorion; cornichon; Dorsal appendages; Epidermal growth factor receptor; gurken; K10; rhomboid; spitz; sprouty; Transforming growth factor-α; torpedo 81 75

Dorso-ventral patterning; Adenomatous polyposis coli; Armadillo; β-Catenin; Basal transcription machinery; Body axis formation; Cadherin; Cell-adhesion; Colon cancer; Dishevelled; Dorsal blastomeres; Embryonic development; Frizzled; Gastrulation; Gene activation; Glycogen synthase kinase 3β; Herpes simplex virus; HMG box; LEF-1; Nieuw-koop center; Nuclear factor; Nucleus; Plakoglobin; RNA injection; RNA polymerase II; Siamois; Signal transduction; Spemann organizer; TCF; Transcription factor; Transcriptional activation; VP16; Wingless; Wntsignaling; *Xenopus laevis*; Xwnt-8 **81** 65

Dorsoventral: Drosophila; Development; Pattern formation; Gradient; Nuclear transport; Signal transduction; Nuclear localisation; Signalling cascade; Axis formation; Axis specification; Oligomerisation; Dimerisation; Membrane association; Membrane localisation; Kinase; Protein complex; Phosphorylation; Two-hybrid; Fusion protein; Hybrid protein; Pelle; Tube; Dorsal; Cactus; Toll; Snake; Torso; Pellino; NF-kB; IRAK; Rel 81 127

dp-ERK; 14-3-3; Drosophila; Receptor tyrosine kinase; MAPK; Egfr 81 209 Drosophila; 14-3-3; Receptor tyrosine kinase; MAPK; Egfr; dp-ERK 81 209

Drosophila; Development; Pattern formation; Gradient; Nuclear transport; Signal transduction; Nuclear localisation; Signalling cascade; Axis formation; Axis specification; Dorsoventral; Oligomerisation; Dimerisation; Membrane association; Membrane localisation; Kinase; Protein complex; Phosphorylation; Two-hybrid; Fusion protein; Hybrid protein; Pelle; Tube; Dorsal; Cactus; Toll; Snake; Torso; Pellino; NF-kB; IRAK; Rel 81 127

Egfr; 14-3-3; *Drosophila*; Receptor tyrosine kinase; MAPK; dp-ERK 81

Embryogenesis; Mouse; Gastrulation; Eomesodermin; T-box; Primitive streak; Mesoderm; Extra-embryonic ectoderm; Chorion; Forebrain; Telencephalon; In-situ hybridization; Fgfr2; Tbr-1 81 199

Embryogenesis; Mouse; Organogenesis; T-box genes; eomesodermin; Tbr1; Extraembryonic ectoderm; Chorion; Telencephalon; Cerebral cortex; Brain; Primitive streak; Mesoderm; Limbs 81 205

Embryonal stem cells; Homologous recombination; Immunohistochemistry; Parathyroid hormone/parathyroid hormone-related peptide receptor; Parathyroid hormone-related peptide; Parietal endoderm 81 151

Embryonic development; Adenomatous polyposis coli; Armadillo; β-Catenin; Basal transcription machinery; Body axis formation; Cadherin; Cell-adhesion; Colon cancer; Dishevelled; Dorsal blastomeres; Dorsoventral patterning; Frizzled; Gastrulation; Gene activation; Glycogen synthase kinase 3β; Herpes simplex virus; HMG box; LEF-1; Nieuw-koop center; Nuclear factor; Nucleus; Plakoglobin; RNA injection; RNA polymerase II; Siamois; Signal transduction; Spemann organizer; TCF; Transcription factor; Transcriptional activation; VP16; Wingless; Wntsignaling; Xenopus laevis; Xwnt-8 81 65

Endodermal wedge; Gastrulation; Comparative embryology; Hypoblast; Primitive streak; Evolution; Chick **81** 3

Engrailed; Limb development; Quail; Retinoids; Retinoic acid; Fibroblast growth factor; Sonic hedgehog; Bone morphogenetic protein; Homeobox gene; wnt; lmx 81 115

Eomesodermin; Mouse; Embryogenesis; Gastrulation; T-box; Primitive streak; Mesoderm; Extra-embryonic ectoderm; Chorion; Forebrain; Telencephalon; In-situ hybridization; Fgfr2; Tbr-1 81 199

Epidermal growth factor receptor; argos; broad-complex; Chorion; cornichon; Dorsoventral patterning; Dorsal appendages; gurken; K10; rhomboid; spitz; sprouty; Transforming growth factor-α; torpedo **81** 75

eomesodermin; Mouse; Embryogenesis; Organogenesis; T-box genes; Tbr1; Extraembryonic ectoderm; Chorion; Telencephalon; Cerebral cortex; Brain; Primitive streak; Mesoderm; Limbs 81 205

Estrogen receptor alpha; Estrogen receptor beta; Steroid hormone receptor; Mouse embryogenesis; Reproductive tract; Mammary gland; Cartilage primordia; Müllerian duct; Wolffian duct; Gonad; Heart; Midgut; Larynx; Kidney **81** 163

Estrogen receptor beta; Estrogen receptor alpha; Steroid hormone receptor; Mouse embryogenesis; Reproductive tract; Mammary gland; Cartilage primordia; Müllerian duct; Wolffian duct; Gonad; Heart; Midgut; Larynx; Kidney 81 163

eve1; Determinant; Dorsoventral pattern; goosecoid; myoD; Mesoderm induction; Yolk cell; Zebrafish 81 51

Evolution; Gastrulation; Comparative embryology; Hypoblast; Primitive streak; Endodermal wedge; Chick **81** 3

Expression patterns; Xenopus; Xvent homeobox genes; Promoter analysis; Microinjections 81 139

Extra-embryonic ectoderm; Mouse; Embryogenesis; Gastrulation; Eomesodermir, T-box; Primitive streak; Mesoderm; Chorion; Forebrain; Telencephalon; In-situ hybridization; Fgfr2; Tbr-1 81 199

Extraembryonic ectoderm; Mouse; Embryogenesis; Organogenesis; T-box genes; *eomesodermin*; *Tbr1*; Chorion; Telencephalon; Cerebral cortex; Brain; Primitive streak; Mesoderm; Limbs **81** 205

Eye; Lhx9; LIM; Homeobox; Limb; Cortex; Pioneer neurons; Cajal; Retzius; Preplate 81 193

Fgfr2; Mouse; Embryogenesis; Gastrulation; Eomesodermin; T-box; Primitive streak; Mesoderm; Extra-embryonic ectoderm; Chorion; Forebrain; Telencephalon; In-situ hybridization; Tbr-1 **81** 199

Fgf-8; Pattern formation; Spacing pattern; Lateral inhibition; Tongue development; Gustatory papillae; Fungiform papillae; Shh; Bmp-2; Bmp-4 81 179

Fibroblast growth factor; Sprouty; Branching morphogenesis; Lung development; Mouse embryo 81 213

Fibroblast growth factor; Limb development; Quail; Retinoids; Retinoid acid; Engrailed; Sonic hedgehog; Bone morphogenetic protein; Homeobox gene; wnt; lmx 81 115

Forebrain; Mouse; Embryogenesis; Gastrulation; Eomesodermin; T-box; Primitive streak; Mesoderm; Extra-embryonic ectoderm; Chorion; Telencephalon; In-situ hybridization; Fgfr2; Tbr-1 81 199

Frizzled; Adenomatous polyposis coli; Armadillo; β-Catenin; Basal transcription machinery; Body axis formation; Cadherin; Cell-adhesion; Colon cancer; Dishevelled; Dorsal blastomeres; Dorso-ventral patterning; Embryonic development; Gastrulation; Gene activation; Glycogen synthase kinase 3β; Herpes simplex virus; HMG box; LEF-1; Nieuwskoop center; Nuclear factor; Nucleus; Plakoglobin; RNA injection; RNA polymerase II; Siamois; Signal transduction; Spemann organizer; TCF; Transcription factor; Transcriptional activation; VP16; Wingless; Wntsignaling; *Xenopus laevis*; Xwnt-8 81 65

Fungiform papillae; Pattern formation; Spacing pattern; Lateral inhibition; Tongue development; Gustatory papillae; Shh; Bmp-2; Bmp-4; Fgf-8 81 179

Fusion protein; *Drosophila*; Development; Pattern formation; Gradient; Nuclear transport; Signal transduction; Nuclear localisation; Signalling cascade; Axis formation; Axis specification; Dorsoventral; Oligomerisation; Dimerisation; Membrane association; Membrane localisation; Kinase; Protein complex; Phosphorylation; Two-hybrid; Hybrid protein; Pelle; Tube; Dorsal; Cactus; Toll; Snake; Torso; Pellino; NF-kB; IRAK; Rel 81 127

Gap1; C2 domain; GTPase-activating protein; PH domain; phospholipase Cg 81 89

Gastrulation; Adenomatous polyposis coli; Armadillo; β-Catenin; Basal transcription machinery; Body axis formation; Cadherin; Cell-adhesion; Colon cancer; Dishevelled; Dorsal blastomeres; Dorso-ventral patterning; Embryonic development; Frizzled; Gene activation; Glycogen synthase kinase 3β; Herpes simplex virus; HMG box; LEF-1; Nieuw-koop center; Nuclear factor; Nucleus; Plakoglobin; RNA injection; RNA polymerase II; Siamois; Signal transduction; Spemann organizer; TCF; Transcription factor; Transcriptional activation; VP16; Wingless; Wntsignaling; *Xenopus laevis*; Xwnt-8 **81** 65

Gastrulation; Comparative embryology; Hypoblast; Primitive streak; Endodermal wedge; Evolution; Chick 81 3

Gastrulation; Mouse; Embryogenesis; Eomesodermin; T-box; Primitive streak; Mesoderm; Extra-embryonic ectoderm; Chorion; Forebrain; Telencephalon; In-situ hybridization; Fgfr2; Tbr-1 81 199

Gastrulation; Sea urchin; Laminin; G-domain 81 37

G-domain; Sea urchin; Laminin; Gastrulation 81 37

Gene activation; Adenomatous polyposis coli; Armadillo; β-Catenin; Basal transcription machinery; Body axis formation; Cadherin; Celladhesion; Colon cancer; Dishevelled; Dorsal blastomeres; Dorso-ventral patterning; Embryonic development; Frizzled: Gastrulation; Glycogen synthase kinase 3β; Herpes simplex virus; HMG box; LEF-1; Nieuwkoop center; Nuclear factor; Nucleus; Plakoglobin; RNA injection; RNA polymerase II; Siamois; Signal transduction; Spemann organizer; TCF, Transcription factor; Transcriptional activation; VP16; Wingless; Wntsignaling; *Xenopus laevis*; Xwnt-8 81 65

Gene regulation; Thymus; Stromal cells; Transcription factors; Hematopoiesis 81 103

Germ cell formation; Zebrafish; DAZ; RNA-binding protein; RNA-recognition motif; Maternal effect gene; mRNA localization; Vegetal pole; Cytoplasmic stream 81 223

Glycogen synthase kinase 3β ; Adenomatous polyposis coli; Armadillo; β -Catenin; Basal transcription machinery; Body axis formation; Cadherin; Cell-adhesion; Colon cancer; Dishevelled; Dorsal blastomeres; Dorso-ventral patterning; Embryonic development; Frizzled; Gastrulation; Gene activation; Herpes simplex virus; HMG box; LEF-1; Nieuwkoop center; Nuclear factor; Nucleus; Plakoglobin; RNA injection; RNA polymerase II; Siamois; Signal transduction; Spemann organizer; TCF; Transcription factor; Transcriptional activation; VP16; Wingless; Wntsignaling; *Xenopus laevis*; Xwnt-8 **81** 65

goosecoid; Determinant; Dorsoventral pattern; eve1; myoD; Mesoderm induction; Yolk cell; Zebrafish 81 51

goosecoid; Heart; Outflow tract; Neural crest; Mouse 81 187

Gonad; Estrogen receptor alpha; Estrogen receptor beta; Steroid hormone receptor; Mouse embryogenesis; Reproductive tract; Mammary gland; Cartilage primordia; Müllerian duct; Wolffian duct; Heart; Midgut; Larynx; Kidney 81 163

Gradient: *Drosophila*; Development; Pattern formation; Nuclear transport; Signal transduction; Nuclear localisation; Signalling cascade; Axis formation; Axis specification; Dorsoventral; Oligomerisation; Dimerisation; Membrane association; Membrane localisation; Kinase; Protein complex; Phosphorylation; Two-hybrid; Fusion protein; Hybrid protein;

Subject index

Pelle; Tube; Dorsal; Cactus; Toll; Snake; Torso; Pellino; NF-kB; IRAK; Rel 81 127

gurken; argos; broad-complex; Chorion; cornichon; Dorsoventral patterning; Dorsal appendages; Epidermal growth factor receptor; K10; rhomboid; spitz; sprouty; Transforming growth factor-α; torpedo 81 75

GTPase-activating protein; C2 domain; Gap1; PH domain; phospholipase Cg 81 89

Gustatory papillae; Pattern formation; Spacing pattern; Lateral inhibition; Tongue development; Fungiform papillae; *Shh*; *Bmp-2*; *Bmp-4*; *Fgf-8* **81** 179

Heart; goosecoid; Outflow tract; Neural crest; Mouse 81 187

Heart; Estrogen receptor alpha; Estrogen receptor beta; Steroid hormone receptor; Mouse embryogenesis; Reproductive tract; Mammary gland; Cartilage primordia; Müllerian duct; Wolffian duct; Gonad; Midgut; Larynx; Kidney 81 163

Hematopoiesis; Thymus; Stromal cells; Gene regulation; Transcription factors 81 103

Herpes simplex virus; Adenomatous polyposis coli; Armadillo; β-Catenin; Basal transcription machinery; Body axis formation; Cadherin; Celladhesion; Colon cancer; Dishevelled; Dorsal blastomeres; Dorso-ventral patterning; Embryonic development; Frizzled; Gastrulation; Gene activation; Glycogen synthase kinase 3β; HMG box; LEF-1; Nieuwkoop center; Nuclear factor; Nucleus; Plakoglobin; RNA injection; RNA polymerase II; Siamois; Signal transduction; Spemann organizer; TCF; Transcription factor; Transcriptional activation; VP16; Wingless; Wntsignaling; Xenopus laevis; Xwnt-8 81 65

HMG box; Adenomatous polyposis coli; Armadillo; β-Catenin; Basal transcription machinery; Body axis formation; Cadherin; Cell-adhesion; Colon cancer; Dishevelled; Dorsal blastomeres; Dorso-ventral patterning; Embryonic development; Frizzled; Gastrulation; Gene activation; Glycogen synthase kinase 3β; Herpes simplex virus; LEF-1; Nieuwkoop center; Nuclear factor; Nucleus; Plakoglobin; RNA injection; RNA polymerase II; Siamois; Signal transduction; Spemann organizer; TCF; Transcription factor; Transcriptional activation; VP16; Wingless; Wntsignaling; *Xenopus laevis*; Xwnt-8 **81** 65

Homeobox gene: Limb development; Quail; Retinoids; Retinoic acid; Engrailed; Fibroblast growth factor; Sonic hedgehog; Bone morphogenetic protein; wnt; lmx 81 115

Homeobox; Lhx9; LlM; Eye; Limb; Cortex; Pioneer neurons; Cajal; Retzius; Preplate 81 193

Homologous recombination; Embryonal stem cells; Immunohistochemistry; Parathyroid hormone/parathyroid hormone-related peptide receptor; Parathyroid hormone-related peptide; Parietal endoderm 81 151

Human development; Distal-less gene homeogenes; Tooth morphogenesis; Distal-less gene 5 **81** 183

Hybrid protein; *Drosophila*; Development; Pattern formation; Gradient; Nuclear transport; Signal transduction; Nuclear localisation; Signalling cascade; Axis formation; Axis specification; Dorsoventral; Oligomerisation; Dimerisation; Membrane association; Membrane localisation; Kinase; Protein complex; Phosphorylation; Two-hybrid; Fusion protein;

Pelle; Tube; Dorsal; Cactus; Toll; Snake; Torso; Pellino; NF-kB; IRAK; Rel 81 127

233

Hypoblast; Gastrulation; Comparative embryology; Primitive streak; Endodermal wedge; Evolution; Chick **81** 3

Hypophysis; Hypothalamic-pituitary axis; Organogenesis 81 23

Hypothalamic-pituitary axis; Hypophysis; Organogenesis 81 23

Immunohistochemistry; Embryonal stem cells; Homologous recombination; Parathyroid hormone/parathyroid hormone-related peptide receptor; Parathyroid hormone-related peptide; Parietal endoderm 81 151

In situ hybridization; Tooth development; Osf2; Cbfa-1; Bone sialoprotein; Mineralized tissues; Mineralization; Periodontal ligament; Ameloblasts; Odontoblasts; Osteoblasts; Cementoblasts; mRNA Expression 81, 160

In-situ hybridization; Mouse; Embryogenesis; Gastrulation; Eomesodermin; T-box; Primitive streak; Mesoderm; Extra-embryonic ectoderm; Chorion; Forebrain; Telencephalon; Fgfr2; Tbr-1 81 199

IRAK; Drosophila; Development; Pattern formation; Gradient; Nuclear transport; Signal transduction; Nuclear localisation; Signalling cascade; Axis formation; Axis specification; Dorsoventral; Oligomerisation; Dimerisation; Membrane association; Membrane localisation; Kinase; Protein complex; Phosphorylation; Two-hybrid; Fusion protein; Hybrid protein; Pelle; Tube; Dorsal; Cactus; Toll; Snake; Torso; Pellino; NF-kB; Rel 81 127

K10; argos; broad-complex; Chorion; cornichon; Dorsoventral patterning; Dorsal appendages; Epidermal growth factor receptor; gurken; rhomboid; spitz; sprouty; Transforming growth factor-α; torpedo 81 75

Kidney; Estrogen receptor alpha; Estrogen receptor beta; Steroid hormone receptor; Mouse embryogenesis; Reproductive tract; Mammary gland; Cartilage primordia; Müllerian duct; Wolffian duct; Gonad; Heart; Midgut; Larynx 81 163

Kinase; Drosophila; Development; Pattern formation; Gradient; Nuclear transport; Signal transduction; Nuclear localisation; Signalling cascade; Axis formation; Axis specification: Dorsoventral; Oligomerisation; Dimerisation; Membrane association; Membrane localisation; Protein complex; Phosphorylation; Two-hybrid; Fusion protein; Hybrid protein; Pelle; Tube; Dorsal; Cactus; Toll; Snake; Torso; Pellino; NF-kB; IRAK; Rel 81 127

Laminin; Sea urchin; G-domain; Gastrulation 81 37

Larynx; Estrogen receptor alpha; Estrogen receptor beta; Steroid hormone receptor; Mouse embryogenesis; Reproductive tract; Mammary gland; Cartilage primordia; Müllerian duct; Wolffian duct; Gonad; Heart; Midgut; Kidney 81 163

Lateral inhibition; Pattern formation; Spacing pattern; Tongue development; Gustatory papillae; Fungiform papillae; *Shh*; *Bmp-2*; *Bmp-4*; *Fgf-8* **81** 179

LEF-1; Adenomatous polyposis coli; Armadillo; β-Catenin; Basal transcription machinery; Body axis formation; Cadherin; Cell-adhesion; Colon cancer; Dishevelled; Dorsal blastomeres; Dorso-ventral patterning; Embryonic development; Frizzled; Gastrulation; Gene activation; Glycogen synthase kinase 3β; Herpes simplex virus; HMG box; Nieuw-

koop center; Nuclear factor; Nucleus; Plakoglobin: RNA injection; RNA polymerase II; Siamois; Signal transduction; Spemann organizer; TCF; Transcription factor; Transcriptional activation; VP16; Wingless; Wntsignaling; Xenopus laevis; Xwnt-8 81 65

Lhx9; LlM; Homeobox; Eye; Limb; Cortex; Pioneer neurons; Cajal; Retzius; Preplate 81 193

LIM; Lhx9; Homeobox; Eye; Limb; Cortex; Pioneer neurons; Cajal; Retzius; Preplate 81 193

Limb development; Quail; Retinoids; Retinoic acid; Engrailed; Fibroblast growth factor; Sonic hedgehog; Bone morphogenetic protein; Homeobox gene; wnt; Imx **81** 115

Limb; Lhx9; LIM; Homeobox; Eye; Cortex; Pioneer neurons; Cajal; Retzius; Preplate 81 193

Limbs; Mouse; Embryogenesis; Organogenesis; T-box genes; *eomesodermin*; *Tbr1*; Extraembryonic ectoderm; Chorion; Telencephalon; Cerebral cortex; Brain; Primitive streak; Mesoderm **81** 205

Imx; Limb development; Quail; Retinoids; Retinoic acid; Engrailed; Fibroblast growth factor; Sonic hedgehog; Bone morphogenetic protein; Homeobox gene; wnt 81 115

Lung development: Sprouty; Fibroblast growth factor; Branching morphogenesis; Mouse embryo 81 213

Müllerian duct; Estrogen receptor alpha; Estrogen receptor beta; Steroid hormone receptor; Mouse embryogenesis; Reproductive tract; Mammary gland; Cartilage primordia; Wolffian duct; Gonad; Heart; Midgut; Larynx; Kidney 81 163

Mammary gland; Estrogen receptor alpha; Estrogen receptor beta; Steroid hormone receptor; Mouse embryogenesis; Reproductive tract; Cartilage primordia; Müllerian duct; Wolffian duct; Gonad; Heart; Midgut; Larynx; Kidney 81 163

MAPK; 14-3-3; *Drosophila*; Receptor tyrosine kinase; Egfr; dp-ERK 81 209

Maternal effect gene; Zebrafish; DAZ; RNA-binding protein; RNA-recognition motif; mRNA localization; Vegetal pole; Cytoplasmic stream; Germ cell formation 81 223

mef2; Serum response factor; Zebrafish; myoD; Muscle; Myogenesis 81 217

Membrane association; *Drosophila*; Development; Pattern formation; Gradient; Nuclear transport; Signal transduction; Nuclear localisation; Signalling cascade; Axis formation; Axis specification; Dorsoventral; Oligomerisation; Dimerisation; Membrane localisation; Kinase; Protein complex; Phosphorylation; Two-hybrid; Fusion protein; Hybrid protein; Pelle; Tube; Dorsal; Cactus; Toll; Snake; Torso; Pellino; NF-kB; IRAK; Rel 81 127

Membrane localisation; *Drosophila*; Development; Pattern formation; Gradient; Nuclear transport; Signal transduction; Nuclear localisation; Signalling cascade; Axis formation; Axis specification; Dorsoventral; Oligomerisation; Dimerisation; Membrane association; Kinase; Protein complex; Phosphorylation; Two-hybrid; Fusion protein; Hybrid protein; Pelle; Tube; Dorsal; Cactus; Toll; Snake; Torso; Pellino; NF-kB; IRAK; Ref 81 127

mes/met constriction; Development; Cerebellum; Mesencephalon; *Otx2* expression; Neural tube segmentation **81** 175

Mesencephalon; Development; Cerebellum; mes/met constriction; *Otx2* expression; Neural tube segmentation **81** 175

Mesoderm; Mouse; Embryogenesis; Gastrulation; Eomesodermin; T-box; Primitive streak; Extra-embryonic ectoderm; Chorion; Forebrain; Telencephalon; In-situ hybridization; Fgfr2; Tbr-1 **81** 199

Mesoderm; Mouse; Embryogenesis; Organogenesis; T-box genes; eomesodermin; Tbr1; Extraembryonic ectoderm; Chorion; Telencephalon; Cerebral cortex; Brain; Primitive streak; Limbs **81** 205

Mesoderm induction; Determinant; Dorsoventral pattern; *evel*; *goosecoid*; *myoD*; Yolk cell; Zebrafish **81** 51

Microinjections; *Xenopus*; *Xvent* homeobox genes; Expression patterns; Promoter analysis **81** 139

Midgut; Estrogen receptor alpha; Estrogen receptor beta; Steroid hormone receptor; Mouse embryogenesis; Reproductive tract; Mammary gland; Cartilage primordia; Müllerian duct; Wolffian duct; Gonad; Heart; Larynx; Kidney 81 163

Mineralization; Tooth development; Osf2; Cbfa-1; Bone sialoprotein; In situ hybridization; Mineralized tissues; Periodontal ligament; Ameloblasts; Odontoblasts; Osteoblasts; Cementoblasts; mRNA Expression 81

Mineralized tissues; Tooth development; Osf2; Cbfa-1; Bone sialoprotein; In situ hybridization; Mineralization; Periodontal ligament; Ameloblasts; Odontoblasts; Osteoblasts; Cementoblasts; mRNA Expression 81

Mouse embryo; Sprouty; Fibroblast growth factor; Branching morphogenesis; Lung development 81 213

Mouse embryogenesis; Estrogen receptor alpha; Estrogen receptor beta; Steroid hormone receptor; Reproductive tract; Mammary gland; Cartilage primordia; Müllerian duct; Wolffian duct; Gonad; Heart; Midgut; Larynx; Kidney 81 163

Mouse; goosecoid; Heart; Outflow tract; Neural crest 81 187

Mouse; Embryogenesis; Gastrulation; Eomesodermin; T-box; Primitive streak; Mesoderm; Extra-embryonic ectoderm; Chorion; Forebrain; Telencephalon; In-situ hybridization; Fgfr2; Tbr-1 81 199

Mouse; Embryogenesis; Organogenesis; T-box genes; *eomesodermin*; *Tbr1*; Extraembryonic ectoderm; Chorion; Telencephalon; Cerebral cortex; Brain; Primitive streak; Mesoderm; Limbs **81** 205

mRNA Expression; Tooth development; Osf2; Cbfa-1; Bone sialoprotein; In situ hybridization; Mineralized tissues; Mineralization; Periodontal ligament; Ameloblasts; Odontoblasts; Osteoblasts; Cementoblasts 81 169

mRNA localization; Zebrafish; *DAZ*; RNA-binding protein; RNA-recognition motif; Maternal effect gene; Vegetal pole; Cytoplasmic stream; Germ cell formation 81 223

Muscle; Serum response factor; Zebrafish; myoD; mef2; Myogenesis 81 217

myoD; Determinant; Dorsoventral pattern; eve1; goosecoid; Mesoderm induction; Yolk cell; Zebrafish 81 51

myoD; Serum response factor; Zebrafish; mef2; Muscle; Myogenesis 81 217

Myogenesis; Serum response factor; Zebrafish; myoD; mef2; Muscle 81

Neural crest; goosecoid; Heart; Outflow tract; Mouse 81 187

Neural tube segmentation; Development; Cerebellum; Mesencephalon; mes/met constriction; Otx2 expression 81 175

NF-kB; *Drosophila*; Development; Pattern formation; Gradient; Nuclear transport; Signal transduction; Nuclear localisation; Signalling cascade; Axis formation; Axis specification; Dorsoventral; Oligomerisation; Dimerisation; Membrane association; Membrane localisation; Kinasei; Protein complex; Phosphorylation; Two-hybrid; Fusion protein; Hybrid protein; Pelle; Tube; Dorsal; Cactus; Toll; Snake; Torso; Pellino; IRAK; Rel 81 127

Nieuwkoop center; Adenomatous polyposis coli; Armadillo; β-Catenin; Basal transcription machinery; Body axis formation; Cadherin; Celladhesion; Colon cancer; Dishevelled; Dorsal blastomeres; Dorso-ventral patterning; Embryonic development; Frizzled; Gastrulation; Gene activation; Glycogen synthase kinase 3β; Herpes simplex virus; HMG box; LEF-1; Nuclear factor; Nucleus; Plakoglobin; RNA injection; RNA polymerase II; Siamois; Signal transduction; Spemann organizer; TCF; Transcription factor; Transcriptional activation; VP16; Wingless; Wntsignaling; *Xenopus laevis*; Xwnt-8 81 65

Nuclear factor; Adenomatous polyposis coli; Armadillo; β -Catenin; Basal transcription machinery; Body axis formation; Cadherin; Celladhesion; Colon cancer; Dishevelled; Dorsal blastomeres; Dorso-ventral patterning; Embryonic development; Frizzled; Gastrulation; Gene activation; Glycogen synthase kinase 3β ; Herpes simplex virus; HMG box; LEF-1; Nieuwkoop center; Nucleus; Plakoglobin; RNA injection; RNA polymerase II; Siamois; Signal transduction; Spemann organizer; TCF; Transcription factor; Transcriptional activation; VP16; Wingless; Wntsignaling; *Xenopus laevis*; Xwnt-8 **81** 65

Nuclear localisation; *Drosophila*; Development; Pattern formation; Gradient; Nuclear transport; Signal transduction; Signalling cascade; Axis formation; Axis specification; Dorsoventral; Oligomerisation; Dimerisation; Membrane association; Membrane localisation; Kinase; Protein complex; Phosphorylation; Two-hybrid; Fusion protein; Hybrid protein; Pelle; Tube; Dorsal; Cactus; Toll; Snake; Torso; Pellino; NF-kB; IRAK; Rel 81 127

Nuclear transport; *Drosophila*; Development; Pattern formation; Gradient; Signal transduction; Nuclear localisation; Signalling cascade; Axis formation; Axis specification; Dorsoventral; Oligomerisation; Dimerisation; Membrane association; Membrane localisation; Kinase; Protein complex; Phosphorylation; Two-hybrid; Fusion protein; Hybrid protein; Pelle; Tube; Dorsal; Cactus; Toll; Snake; Torso; Pellino; NF-kB; IRAK; Rel 81 127

Nucleus; Adenomatous polyposis coli; Armadillo; β-Catenin; Basal transcription machinery; Body axis formation; Cadherin; Cell-adhesion; Colon cancer; Dishevelled; Dorsal blastomeres; Dorso-ventral patterning; Embryonic development; Frizzled; Gastrulation; Gene activation; Glycogen synthase kinase 3β; Herpes simplex virus; HMG box; LEF-1; Nieuwkoop center; Nuclear factor; Plakoglobin; RNA injection; RNA

polymerase II; Siamois; Signal transduction; Spemann organizer; TCF; Transcription factor; Transcriptional activation; VP16; Wingless; Wntsignaling; Xenopus laevis; Xwnt-8 81 65

Odontoblasts: Tooth development; Osf2; Cbfa-1; Bone sialoprotein; In situ hybridization; Mineralized tissues; Mineralization; Periodontal ligament; Ameloblasts; Osteoblasts; Cementoblasts; mRNA Expression 81 169

Oligomerisation; *Drosophila*: Development; Pattern formation; Gradient; Nuclear transport; Signal transduction; Nuclear localisation; Signalling cascade; Axis formation; Axis specification; Dorsoventral; Dimerisation; Membrane association; Membrane localisation; Kinase; Protein complex; Phosphorylation; Two-hybrid; Fusion protein; Hybrid protein; Pelle; Tube; Dorsal; Cactus; Toll; Snake; Torso; Pellino; NF-kB; IRAK; Rel 81 127

Organogenesis; Hypophysis; Hypothalamic-pituitary axis 81 23

Organogenesis: Mouse; Embryogenesis; T-box genes; *eomesodermin*; *Tbr1*; Extraembryonic ectoderm; Chorion; Telencephalon; Cerebral cortex; Brain; Primitive streak; Mesoderm; Limbs **81** 205

Osf2; Tooth development; Cbfa-1; Bone sialoprotein; In situ hybridization; Mineralized tissues; Mineralization; Periodontal ligament; Ameloblasts; Odontoblasts; Osteoblasts; Cementoblasts; mRNA Expression 81 169

Osteoblasts; Tooth development; Osf2; Cbfa-1; Bone sialoprotein; In situ hybridization; Mineralized tissues; Mineralization; Periodontal ligament; Ameloblasts; Odontoblasts; Cementoblasts; mRNA Expression 81

Otx2 expression; Development; Cerebellum; Mesencephalon; mes/met constriction; Neural tube segmentation 81 175

Outflow tract; goosecoid; Heart; Neural crest; Mouse 81 187

Parathyroid hormone/parathyroid hormone-related peptide receptor; Embryonal stem cells; Homologous recombination; Immunohistochemistry; Parathyroid hormone-related peptide; Parietal endoderm 81

Parietal endoderm; Embryonal stem cells; Homologous recombination; Immunohistochemistry; Parathyroid hormone/parathyroid hormone-related peptide receptor; Parathyroid hormone-related peptide 81 151

Pattern formation; Drosophila; Development; Gradient; Nuclear transport; Signal transduction; Nuclear localisation; Signalling cascade; Axis formation; Axis specification; Dorsoventral; Oligomerisation; Dimerisation; Membrane association; Membrane localisation; Kinase; Protein complex; Phosphorylation; Two-hybrid; Fusion protein; Hybrid protein; Pelle; Tube; Dorsal; Cactus; Toll; Snake; Torso; Pellino; NF-kB; IRAK; Rel 81 127

Pattern formation; Spacing pattern; Lateral inhibition; Tongue development; Gustatory papillae; Fungiform papillae; Shh; Bmp-2; Bmp-4; Fgf-8 81 179

Pelle; *Drosophila*; Development; Pattern formation; Gradient; Nuclear transport; Signal transduction; Nuclear localisation; Signalling cascade; Axis formation; Axis specification; Dorsoventral; Oligomerisation; Dimerisation; Membrane association; Membrane localisation; Kinase; Protein complex; Phosphorylation; Two-hybrid; Fusion protein; Hybrid

protein; Tube; Dorsal; Cactus; Toll; Snake; Torso; Pellino; NF-kB; IRAK; Rel 81 127

Pellino; Drosophila; Development; Pattern formation; Gradient; Nuclear transport; Signal transduction; Nuclear localisation; Signalling cascade; Axis formation; Axis specification; Dorsoventral; Oligomerisation; Dimerisation; Membrane association; Membrane localisation; Kinase; Protein complex; Phosphorylation; Two-hybrid; Fusion protein: Hybrid protein; Pelle; Tube; Dorsal; Cactus; Toll; Snake; Torso; NF-kB; IRAK; Rel 81 127

Periodontal ligament; Tooth development; Osf2; Cbfa-1; Bone sialoprotein; In situ hybridization; Mineralized tissues; Mineralization; Ameloblasts; Odontoblasts; Osteoblasts; Cementoblasts; mRNA Expression 81 169

PH domain; C2 domain; Gap1; GTPase-activating protein; phospholipase Cg 81 89

phospholipase Cg: C2 domain; Gap1; GTPase-activating protein; PH domain 81 89

Phosphorylation; Drosophila; Development; Pattern formation; Gradient; Nuclear transport; Signal transduction; Nuclear localisation; Signalling cascade; Axis formation; Axis specification; Dorsoventral; Oligomerisation; Dimerisation; Membrane association; Membrane localisation; Kinase; Protein complex; Two-hybrid; Fusion protein; Hybrid protein; Pelle; Tube; Dorsal; Cactus; Toll; Snake; Torso; Pellino; NF-kB; IRAK; Rel 8I 127

Pioneer neurons; Lhx9; LlM; Homeobox; Eye; Limb; Cortex; Cajal; Retzius; Preplate 81 193

Plakoglobin; Adenomatous polyposis coli; Armadillo; β-Catenin; Basal transcription machinery; Body axis formation; Cadherin; Cell-adhesion; Colon cancer; Dishevelled; Dorsal blastomeres; Dorso-ventral patterning; Embryonic development; Frizzled; Gastrulation; Gene activation; Glycogen synthase kinase 3β; Herpes simplex virus; HMG box; LEF-1; Nieuwkoop center; Nuclear factor; Nucleus; RNA injection; RNA polymerase II; Siamois; Signal transduction; Spemann organizer; TCF; Transcription factor; Transcriptional activation; VP16; Wingless; Wntsignaling; Xenopus laevis; Xwnt-8 81 65

Preplate; Lhx9; LlM; Homeobox; Eye; Limb; Cortex; Pioneer neurons; Cajal; Retzius 81 193

Primitive streak; Gastrulation; Comparative embryology; Hypoblast; Endodermal wedge; Evolution; Chick **81** 3

Primitive streak; Mouse; Embryogenesis; Gastrulation; Eomesodermin; T-box; Mesoderm; Extra-embryonic ectoderm; Chorion; Forebrain; Telencephalon; In-situ hybridization; Fgfr2; Tbr-1 **81** 199

Primitive streak; Mouse; Embryogenesis; Organogenesis; T-box genes; eomesodermin; Tbr1; Extraembryonic ectoderm; Chorion; Telencephalon; Cerebral cortex; Brain; Mesoderm; Limbs **81** 205

Promoter analysis; *Xenopus*; *Xvent* homeobox genes; Expression patterns; Microinjections **81** 139

Protein complex; *Drosophila*; Development; Pattern formation; Gradient; Nuclear transport; Signal transduction; Nuclear localisation; Signalling cascade; Axis formation; Axis specification; Dorsoventral; Oligomerisation; Dimerisation; Membrane association; Membrane loca-

lisation; Kinase; Phosphorylation; Two-hybrid; Fusion protein; Hybrid protein; Pelle; Tube; Dorsal; Cactus; Toll; Snake; Torso; Pellino; NF-kB; IRAK; Rel 81 127

Quail: Limb development; Retinoids; Retinoic acid; Engrailed; Fibroblast growth factor; Sonic hedgehog; Bone morphogenetic protein; Homeobox gene; wnt; Imx 81 115

Receptor tyrosine kinase; 14-3-3; *Drosophila*; MAPK; Egfr; dp-ERK 81 209

Rel; Drosophila; Development; Pattern formation; Gradient; Nuclear transport; Signal transduction; Nuclear localisation; Signalling cascade; Axis formation; Axis specification; Dorsoventral; Oligomerisation; Dimerisation; Membrane association; Membrane localisation; Kinase; Protein complex; Phosphorylation; Two-hybrid; Fusion protein; Hybrid protein; Pelle; Tube; Dorsal; Cactus; Toll; Snake; Torso; Pellino; NF-kB; IRAK 81 127

Reproductive tract; Estrogen receptor alpha; Estrogen receptor beta; Steroid hormone receptor; Mouse embryogenesis; Mammary gland; Cartilage primordia; Müllerian duct; Wolffian duct; Gonad; Heart; Midgut; Larynx; Kidney 81 163

Retinoic acid; Limb development; Quail; Retinoids; Engrailed; Fibroblast growth factor; Sonic hedgehog; Bone morphogenetic protein; Homeobox gene; wnt; Imx 81 115

Retinoids; Limb development; Quail; Retinoic acid; Engrailed; Fibroblast growth factor; Sonic hedgehog; Bone morphogenetic protein; Homeobox gene; wnt; Imx 81 115

Retzius; Lhx9; LIM; Homeobox; Eye; Limb; Cortex; Pioneer neurons; Cajal; Preplate 81 193

rhomboid; argos; broad-complex; Chorion; cornichon; Dorsoventral patterning; Dorsal appendages; Epidermal growth factor receptor; gurken; K10; spitz; sprouty; Transforming growth factor-α; torpedo 81 75

RNA injection; Adenomatous polyposis coli; Armadillo; β -Catenin; Basal transcription machinery; Body axis formation; Cadherin; Celladhesion; Colon cancer; Dishevelled; Dorsal blastomeres; Dorso-ventral patterning; Embryonic development; Frizzled; Gastrulation; Gene activation; Glycogen synthase kinase 3β ; Herpes simplex virus; HMG box; LEF-1; Nieuwkoop center; Nuclear factor; Nucleus; Plakoglobin; RNA polymerase II; Siamois; Signal transduction; Spemann organizer; TCF; Transcription factor; Transcriptional activation; VP16; Wingless; Wntsignaling; *Xenopus laevis*; Xwnt-8 **81** 65

RNA polymerase II; Adenomatous polyposis coli; Armadillo; β-Catenin; Basal transcription machinery; Body axis formation; Cadherin; Celladhesion; Colon cancer; Dishevelled; Dorsal blastomeres; Dorso-ventral patterning; Embryonic development: Frizzled; Gastrulation; Gene activation; Glycogen synthase kinase 3β; Herpes simplex virus; HMG box; LEF-1; Nieuwkoop center; Nuclear factor; Nucleus; Plakoglobin; RNA injection; Siamois; Signal transduction; Spemann organizer; TCF; Transcription factor; Transcriptional activation; VP16; Wingless; Wnt-signaling; Xenopus laevis; Xwnt-8 81 65

RNA-binding protein; Zebrafish; *DAZ*; RNA-recognition motif; Maternal effect gene; mRNA localization; Vegetal pole; Cytoplasmic stream; Germ cell formation 81 223

RNA-recognition motif; Zebrafish; DAZ; RNA-binding protein; Mater-

nal effect gene; mRNA localization; Vegetal pole; Cytoplasmic stream; Germ cell formation 81 223

Sea urchin; Laminin; G-domain; Gastrulation 81 37

Serum response factor; Zebrafish; myoD; mef2; Muscle; Myogenesis 81 217

Shh; Pattern formation; Spacing pattern; Lateral inhibition; Tongue development; Gustatory papillae; Fungiform papillae; Bmp-2; Bmp-4; Fgf-8 81 179

Siamois; Adenomatous polyposis coli; Armadillo; β-Catenin; Basal transcription machinery; Body axis formation; Cadherin; Cell-adhesion; Colon cancer; Dishevelled; Dorsal blastomeres; Dorso-ventral patterning; Embryonic development; Frizzled; Gastrulation; Gene activation; Glycogen synthase kinase 3β; Herpes simplex virus; HMG box; LEF-1; Nieuwkoop center; Nuclear factor; Nucleus; Plakoglobin; RNA injection; RNA polymerase II; Signal transduction; Spemann organizer; TCF; Transcription factor; Transcriptional activation; VP16; Wingless; Wntsignaling; Xenopus laevis; Xwnt-8 81 65

Signal transduction; *Drosophila*; Development; Pattern formation; Gradient; Nuclear transport; Nuclear localisation; Signalling cascade; Axis formation; Axis specification; Dorsoventral; Oligomerisation; Dimerisation; Membrane association; Membrane localisation; Kinase; Protein complex; Phosphorylation; Two-hybrid; Fusion protein; Hybrid protein; Pelle; Tube; Dorsal; Cactus; Toll; Snake; Torso; Pellino; NF-kB; IRAK; Rel 81 127

Signal transduction; Adenomatous polyposis coli; Armadillo; β-Catenin; Basal transcription machinery; Body axis formation; Cadherin; Celladhesion; Colon cancer; Dishevelled; Dorsal blastomeres; Dorso-ventral patterning; Embryonic development; Frizzled; Gastrulation; Gene activation; Glycogen synthase kinase 3β; Herpes simplex virus; HMG box; LEF-1; Nieuwkoop center; Nuclear factor; Nucleus; Plakoglobin; RNA nijection; RNA polymerase II; Siamois; Spemann organizer; TCF; Transcription factor; Transcriptional activation; VP16; Wingless; Wnt-signaling; *Xenopus laevis*; Xwnt-8 **81** 65

Signalling cascade: *Drosophila*; Development; Pattern formation; Gradient; Nuclear transport; Signal transduction; Nuclear localisation; Axis formation; Axis specification; Dorsoventral; Oligomerisation; Dimerisation; Membrane association; Membrane localisation; Kinase; Protein complex; Phosphorylation; Two-hybrid; Fusion protein; Hybrid protein; Pelle; Tube; Dorsal; Cactus; Toll; Snake; Torso; Pellino; NF-kB; IRAK; Rel 81 127

Snake: Drosophila; Development; Pattern formation; Gradient; Nuclear transport; Signal transduction; Nuclear localisation; Signalling cascade; Axis formation; Axis specification; Dorsoventral; Oligomerisation; Dimerisation; Membrane association; Membrane localisation; Kinase; Protein complex; Phosphorylation; Two-hybrid; Fusion protein; Hybrid protein; Pelle; Tube; Dorsal; Cactus; Toll; Torso; Pellino; NF-kB; IRAK; Rel 81 127

Sonic hedgehog: Limb development; Quail; Retinoids; Retinoic acid; Engrailed; Fibroblast growth factor; Bone morphogenetic protein; Homeobox gene; wnt; Imx 81 115

Spacing pattern; Pattern formation; Lateral inhibition; Tongue development; Gustatory papillae; Fungiform papillae; *Shh*; *Bmp-2*; *Bmp-4*; *Fgf-8* **81** 179

Spemann organizer; Adenomatous polyposis coli; Armadillo; β-Catenin; Basal transcription machinery; Body axis formation; Cadherin; Celladhesion; Colon cancer; Dishevelled; Dorsal blastomeres; Dorso-ventral patterning; Embryonic development; Frizzled; Gastrulation; Gene activation; Glycogen synthase kinase 3β; Herpes simplex virus; HMG box; LEF-1; Nieuwkoop center; Nuclear factor; Nucleus; Plakoglobin; RNA injection; RNA polymerase II; Siamois; Signal transduction; TCF; Transcription factor; Transcriptional activation; VP16; Wingless; Wnt-signaling; Xenopus laevis; Xwnt-8 81 65

spitz; argos; broad-complex; Chorion; cornichon; Dorsoventral patterning; Dorsal appendages; Epidermal growth factor receptor; gurken; K1θ; rhomboid; sprouty; Transforming growth factor-α; torpedo 81 75

sprouty, argos; broad-complex; Chorion; cornichon; Dorsoventral patterning; Dorsal appendages; Epidermal growth factor receptor; gurken; K10; rhomboid; spitz; Transforming growth factor-α; torpedo 81 75

Sprouty; Fibroblast growth factor; Branching morphogenesis; Lung development; Mouse embryo 81 213

Steroid hormone receptor; Estrogen receptor alpha; Estrogen receptor beta; Mouse embryogenesis; Reproductive tract; Mammary gland; Cartilage primordia; Müllerian duct; Wolffian duct; Gonad; Heart; Midgut; Larynx; Kidney 81 163

Stromal cells; Thymus; Gene regulation; Transcription factors; Hematopoiesis 81 103

T-box genes; Mouse; Embryogenesis; Organogenesis; *eomesodermin*; *Tbr1*; Extraembryonic ectoderm; Chorion; Telencephalon; Cerebral cortex; Brain; Primitive streak; Mesoderm; Limbs **81** 205

T-box: Mouse; Embryogenesis; Gastrulation; Eomesodermin; Primitive streak; Mesoderm; Extra-embryonic ectoderm; Chorion; Forebrain; Telencephalon; In-situ hybridization; Fgfr2; Tbr-1 **81** 199

Tbr1; Mouse; Embryogenesis; Organogenesis; T-box genes; *eomesoder-min*; Extraembryonic ectoderm; Chorion; Telencephalon; Cerebral cortex; Brain; Primitive streak; Mesoderm; Limbs **81** 205

Tbr-1; Mouse; Embryogenesis; Gastrulation; Eomesodermin; T-box; Primitive streak; Mesoderm; Extra-embryonic ectoderm; Chorion; Forebrain; Telencephalon; In-situ hybridization; Fgfr2 **81** 199

TCF; Adenomatous polyposis coli; Armadillo; β-Catenin; Basal transcription machinery; Body axis formation; Cadherin; Cell-adhesion; Colon cancer; Dishevelled; Dorsal blastomeres; Dorso-ventral patterning; Embryonic development; Frizzled; Gastrulation; Gene activation; Glycogen synthase kinase 3β; Herpes simplex virus; HMG box; LEF-1; Nieuwkoop center; Nuclear factor; Nucleus; Plakoglobin; RNA injection; RNA polymerase II; Siamois; Signal transduction; Spemann organizer; Transcription factor; Transcriptional activation; VP16; Wingless; Wnt-signaling; *Xenopus laevis*; Xwnt-8 81 65

Telencephalon; Mouse; Embryogenesis; Gastrulation; Eomesodermin; T-box; Primitive streak; Mesoderm; Extra-embryonic ectoderm; Chorion; Forebrain; In-situ hybridization; Fgfr2; Tbr-1 **81** 199

Telencephalon; Mouse; Embryogenesis; Organogenesis; T-box genes; eomesodermin; Tbr1; Extraembryonic ectoderm; Chorion; Cerebral cortex; Brain; Primitive streak; Mesoderm; Limbs **81** 205

Thymus; Stromal cells; Gene regulation; Transcription factors; Hematopoiesis 81 103

Toll; Drosophila: Development; Pattern formation; Gradient; Nuclear transport; Signal transduction; Nuclear localisation; Signalling cascade; Axis formation; Axis specification; Dorsoventral; Oligomerisation; Dimerisation; Membrane association; Membrane localisation; Kinase; Protein complex; Phosphorylation; Two-hybrid; Fusion protein; Hybrid protein; Pelle; Tube; Dorsal; Cactus; Snake; Torso; Pellino; NF-kB; IRAK; Rel 81 127

Tongue development: Pattern formation; Spacing pattern; Lateral inhibition; Gustatory papillae; Fungiform papillae; *Shh*; *Bmp-2*; *Bmp-4*; *Fgf-8* **81** 179

Tooth development; Osf2; Cbfa-1; Bone sialoprotein; In situ hybridization; Mineralized tissues; Mineralization; Periodontal ligament; Ameloblasts; Odontoblasts; Osteoblasts; Cementoblasts; mRNA Expression 81 169

Tooth morphogenesis; Distal-less gene homeogenes; Human development; Distal-less gene 5 81 183

torpedo; argos; broad-complex; Chorion; cornichon; Dorsoventral patterning; Dorsal appendages; Epidermal growth factor receptor; gurken; K10; rhomboid; spitz; sprouty; Transforming growth factor-α 81 75

Torso; *Drosophila*; Development; Pattern formation; Gradient; Nuclear transport; Signal transduction; Nuclear localisation; Signalling cascade; Axis formation; Axis specification; Dorsoventral; Oligomerisation; Dimerisation; Membrane association; Membrane localisation; Kinase; Protein complex; Phosphorylation; Two-hybrid; Fusion protein; Hybrid protein; Pelle; Tube; Dorsal; Cactus; Toll; Snake; Pellino; NF-kB; IRAK; Rel 8I 127

Transcription factor; Adenomatous polyposis coli; Armadillo; β-Catenin; Basal transcription machinery; Body axis formation; Cadherin; Celladhesion; Colon cancer; Dishevelled; Dorsal blastomeres; Dorso-ventral patterning; Embryonic development; Frizzled; Gastrulation; Gene activation; Glycogen synthase kinase 3β; Herpes simplex virus; HMG box; LEF-1; Nieuwkoop center; Nuclear factor; Nucleus; Plakoglobin; RNA nijection; RNA polymerase II; Siamois; Signal transduction; Spemann organizer; TCF; Transcriptional activation; VP16; Wingless; Wnt-signaling; *Xenopus laevis*; Xwnt-8 **81** 65

Transcription factors; Thymus; Stromal cells; Gene regulation; Hematopoiesis 81 103

Transcriptional activation; Adenomatous polyposis coli; Armadillo; β-Catenin; Basal transcription machinery; Body axis formation; Cadherin; Cell-adhesion; Colon cancer; Dishevelled; Dorsal blastomeres; Dorsoventral patterning: Embryonic development; Frizzled; Gastrulation; Gene activation; Glycogen synthase kinase 3β; Herpes simplex virus; HMG box; LEF-1; Nieuwkoop center; Nuclear factor; Nucleus; Plakoglobin; RNA injection; RNA polymerase II; Siamois; Signal transduction; Spemann organizer; TCF; Transcription factor; VP16; Wingless; Wnt-signaling; *Xenopus laevis*; Xwnt-8 **81** 65

Transforming growth factor-α; argos; broad-complex; Chorion; cornichon; Dorsoventral patterning; Dorsal appendages; Epidermal growth factor receptor; gurken; K10; rhomboid; spitz; sprouty; torpedo 81 75

Tube; *Drosophila*; Development; Pattern formation; Gradient; Nuclear transport; Signal transduction; Nuclear localisation; Signalling cascade; Axis formation; Axis specification; Dorsoventral; Oligomerisation; Dimerisation; Membrane association; Membrane localisation; Kinase; Protein complex; Phosphorylation; Two-hybrid; Fusion protein; Hybrid

protein; Pelle; Dorsal; Cactus; Toll; Snake; Torso; Pellino; NF-kB; IRAK; Rel 81 127

Two-hybrid; Drosophila; Development; Pattern formation; Gradient; Nuclear transport; Signal transduction; Nuclear localisation; Signalling cascade; Axis formation; Axis specification; Dorsoventral; Oligomerisation; Dimerisation; Membrane association; Membrane localisation; Kinase; Protein complex; Phosphorylation; Fusion protein; Hybrid protein; Pelle; Tube; Dorsal; Cactus; Toll; Snake; Torso; Pellino; NF-kB; IRAK; Rel 81 127

Vegetal pole: Zebrafish; DAZ; RNA-binding protein; RNA-recognition motif; Maternal effect gene; mRNA localization; Cytoplasmic stream; Germ cell formation 81 223

VP16; Adenomatous polyposis coli; Armadillo; β-Catenin; Basal transcription machinery; Body axis formation; Cadherin; Cell-adhesion; Colon cancer; Dishevelled; Dorsal blastomeres; Dorso-ventral patterning; Embryonic development; Frizzled; Gastrulation; Gene activation; Glycogen synthase kinase 3β; Herpes simplex virus; HMG box; LEF-1; Nieuwkoop center; Nuclear factor; Nucleus; Plakoglobin; RNA injection; RNA polymerase II; Siamois; Signal transduction; Spemann organizer; TCF; Transcription factor; Transcriptional activation; Wingless; Wnt-signaling; Xenopus laevis; Xwnt-8 81 65

Wingless; Adenomatous polyposis coli; Armadillo; β-Catenin; Basal transcription machinery; Body axis formation; Cadherin; Cell-adhesion; Colon cancer; Dishevelled; Dorsal blastomeres; Dorso-ventral patterning; Embryonic development; Frizzled; Gastrulation; Gene activation; Glycogen synthase kinase 3β; Herpes simplex virus; HMG box; LEF-1; Nieuwkoop center; Nuclear factor; Nucleus; Plakoglobin; RNA injection; RNA polymerase II; Siamois; Signal transduction; Spemann organizer; TCF; Transcription factor; Transcriptional activation; VP16; Wntsignaling; *Xenopus laevis*; Xwn-8 81 65

wnt; Limb development; Quail; Retinoids; Retinoic acid; Engrailed; Fibroblast growth factor; Sonic hedgehog; Bone morphogenetic protein; Homeobox gene; lmx 81 115

Wnt-signaling; Adenomatous polyposis coli; Armadillo; β -Catenin; Basal transcription machinery; Body axis formation; Cadherin; Celladhesion; Colon cancer; Dishevelled; Dorsal blastomeres; Dorso-ventral patterning; Embryonic development; Frizzled; Gastrulation; Gene activation; Glycogen synthase kinase 3β ; Herpes simplex virus; HMG box; LEF-1; Nieuwkoop center; Nuclear factor; Nucleus; Plakoglobin; RNA injection; RNA polymerase II; Siamois; Signal transduction; Spemann organizer; TCF; Transcription factor; Transcriptional activation; VP16; Wingless; *Xenopus laevis*; Xwnt-8 **81** 65

Wolffian duct; Estrogen receptor alpha; Estrogen receptor beta; Steroid hormone receptor; Mouse embryogenesis; Reproductive tract; Mammary gland; Cartilage primordia; Müllerian duct; Gonad; Heart; Midgut; Larynx; Kidney 81 163

Xenopus laevis; Adenomatous polyposis coli; Armadillo; β-Catenin; Basal transcription machinery; Body axis formation; Cadherin; Celladhesion; Colon cancer; Dishevelled; Dorsal blastomeres; Dorso-ventral patterning; Embryonic development; Frizzled; Gastrulation; Gene activation; Glycogen synthase kinase 3β; Herpes simplex virus; HMG box; LEF-1; Nieuwkoop center; Nuclear factor; Nucleus; Plakoglobin; RNA injection; RNA polymerase II; Siamois; Signal transduction; Spemann organizer; TCF; Transcription factor; Transcriptional activation; VP16; Wingless; Wnt-signaling; Xwnt-8 81 65

Subject index

Xenopus; Xvent homeobox genes; Expression patterns; Promoter analysis; Microinjections 81 139

Xvent homeobox genes; Xenopus; Expression patterns; Promoter analysis; Microinjections 81 139

Xwnt-8; Adenomatous polyposis coli; Armadillo; β-Catenin; Basal transcription machinery; Body axis formation; Cadherin; Cell-adhesion; Colon cancer; Dishevelled; Dorsal blastomeres; Dorso-ventral patterning; Embryonic development; Frizzled; Gastrulation; Gene activation; Glycogen synthase kinase 3β; Herpes simplex virus; HMG box; LEF-1; Nieuwkoop center; Nuclear factor; Nucleus; Plakoglobin; RNA injection; RNA polymerase II; Siamois; Signal transduction; Spemann organizer; TCF; Transcription factor; Transcriptional activation; VP16; Wingless; Wnt-signaling; Xenopus laevis 81 65

Yolk cell; Determinant; Dorsoventral pattern; evel; goosecoid; myoD; Mesoderm induction; Zebrafish 81 51

Zebrafish; DAZ; RNA-binding protein; RNA-recognition motif; Maternal effect gene; mRNA localization; Vegetal pole; Cytoplasmic stream; Germ cell formation 81 223

Zebrafish; Determinant; Dorsoventral pattern; evel; goosecoid; myoD; Mesoderm induction; Yolk cell 81 51

Zebrafish; Serum response factor; *myoD*; *mef2*; Muscle; Myogenesis **81** 217